

CLAIM AMENDMENTS

Please cancel Claims 1, 3, 8 and 9, and amend Claim 2, and 5-7 as follows:

1. (Cancelled)
2. (Currently Amended) An apparatus according to Claim ~~1~~ 7, wherein each timing of said first transfer unit has a phase different from that of said second transfer unit.
3. (Cancelled)
4. (Cancelled)
5. (Currently Amended) An apparatus according to Claim ~~1~~ 7, wherein integration starts from the first signal.
6. (Currently Amended) An apparatus according to Claim ~~1~~ 7, wherein light projection repeatedly alternates the ON and OFF states.
7. (Currently Amended) A photoelectric conversion ~~An apparatus according to Claim 3, comprising:~~

a sensor array for receiving reflected light from an object;
a first transfer unit arranged to transfer signals from said sensor
array; and
a ring-shaped second transfer unit arranged to integrate the signals
from said first transfer unit,
wherein said first transfer unit continuously transfers first signals
from said sensor array in a light projection ON state to said ring-shaped second transfer
unit, and alternately continuously transfers second signals from said sensor array in a light
projection OFF state to said ring-shaped second transfer unit, at different timings
respectively, wherein a transfer frequency of said ring-shaped second transfer unit is higher
than that of said first transfer unit, wherein said second transfer unit comprises a skimming
unit arranged to determine skimming on the basis of the second signal, and a pixel for
which skimming is determined performs skimming by a combination of light projection
ON and OFF states, and wherein skimming is inhibited when a light projection OFF signal
goes ahead of a light projection ON signal in integration of the signal in said second
transfer unit.

8. - 13. (Cancelled)